

IMAGE FORMING DEVICE

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Abstract of JP11055518

PROBLEM TO BE SOLVED: To make a gradation density characteristic stable by improving the reproducibility of a highlight part. **SOLUTION:** A printer controller generates image data based on image information of a vector form from an external device or uses an image reader to read image data of an original and applies multi-value dither processing to the image data (pseudo gradation processing to reproduce medium tone density by a set of medium tone levels). Then a printer engine uses a dot environment discrimination section 60 being a gamma correction table to reference surrounding dots of a noted dot of image data to discriminate the environment of the surrounding dots and a gamma correction table 70 variably sets (gamma correction) a write level such as a write density or a write size of the noted dot depending on the discrimination result. In this case, gamma correction is conducted so that a high lower difference of the write level of the noted dot belonging to the gradation of the highlight part is higher than a high low difference of the write level of the noted dot belonging to the shadow part.

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